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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

COUNTRY North Korea

REPORT

SUBJECT Ich'on Farm Machine Operation Station

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Equipment:

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1. [] the Ich'on Farm Machine Operation Station had 34 tractors, 20 trucks, various farm machines, two lathes and one drilling machine. Details on the tractors were as follows:

a. Ch'ollima-28 Tractors (26 in all): Manufactured by the Kiyang Tractor Factory in Kangso-gun (N 38-55, E 125-32) (YD 1910), P'yongan-namdo; 28 h.p. two-cylinder, high-speed diesel engine; Maximum haulage 47 h.p. Per-day work quota (plowing) was 2.4 hectares and diesel consumption per hectare 20kg. Of the total of 26 tractors, 14 were assigned to the station

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- b. UTOS-45 Tractors (5): Rumanian make, 45 H.P. four-cylinder, high-speed diesel engine; Maximum haulage 28 h.p. Per-day work quota 6.4 hectares of farm land. Diesel consumption per hectare 17kg. []

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Distribution

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- c. Urususu (Transliteration) Tractors (3): Polish make, 45 h.p. single-cylinder, high-speed diesel engine with hot bulbs. Maximum haulage 26 h.p. Per-day work quota 5 hectares of farm land. Per-hectar diesel consumption 17kg.

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Workability & Maintenance of Tractors:

- 2.21. The state-fixed annual operation rate of a tractor was 85 percent, or about 300 days. However, the actual annual operation rate of a tractor of the station was about 50 percent, or about 180 days a year, largely due to the weather condition, the shortage of fuel, mechanical failures due to lack of parts or excessive use of tractors, unpreparedness of working sites, etc.

POL Consumption

3. The following was the standard daily POL consumption for the 34 tractors operated by the Station:

Per-Tractor POL Consumption

TYPE TRACTOR	Work Quota (hectare)	Daily		3%	5.15%	5.5%	1%	1%
		Diesel Per-Hectare	oil Total					
				Gasoline	Lubricating oil	Mobil oil	Grease	C-oil
Ch'ollima	2.4	20kg	48kg	1.4kg	2.6kg		0.4kg	0.4kg
UTOS-45	6.4	17kg	108kg	3.2kg	5.9kg		1kg	1kg
Urususu	5	17kg	85kg	2.5kg		4.6kg	0.8kg	0.8kg

* Percentages shown above indicate the ratio of other POL consumption to diesel oil consumption.

Total Daily POL Consumption

Type of Tractor	Number	Diesel	Gasoline	Lubricating oil	Mobile oil	Grease	C-Oil
Ch'ollima	26	1,248kg	36.4kg	67.6kg		10.4kg	10.4kg
UTOS-45	5	540kg	16kg	29kg		5kg	5kg
Urususu	3	255kg	7.5kg		13.8kg	2.4kg	2.4kg
Total	34	2,043kg	59.9kg	97.1kg	13.8kg	17.8kg	17.8kg
Per-Kg Cost		17 chon	18chon	64chon	31chon	39chon	34 chon

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